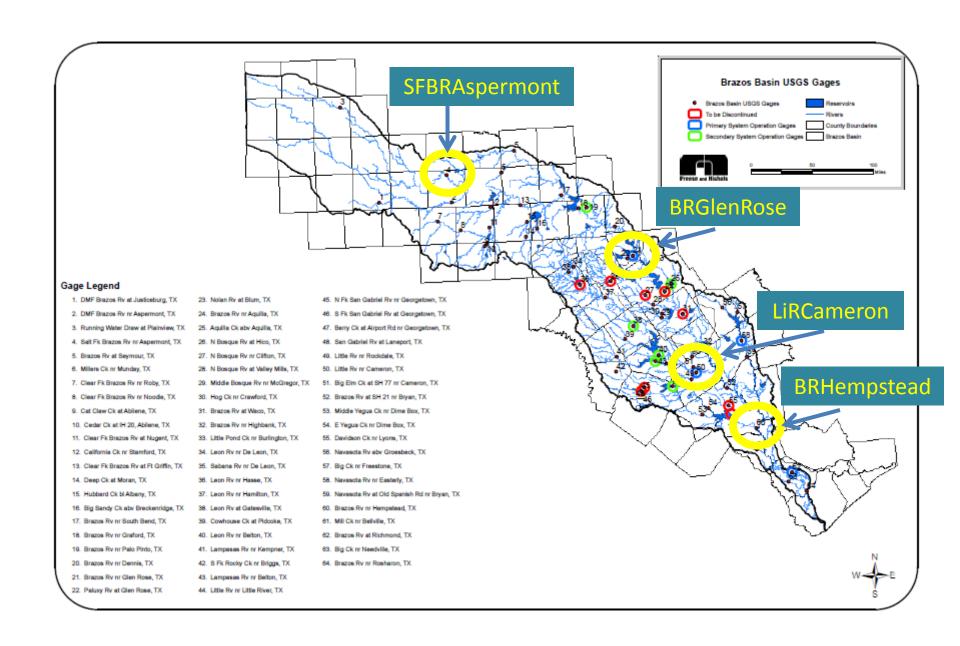
Brazos BBEST

Period of Record Analyses for Four Pilot Gages
May 23, 2011

Goal

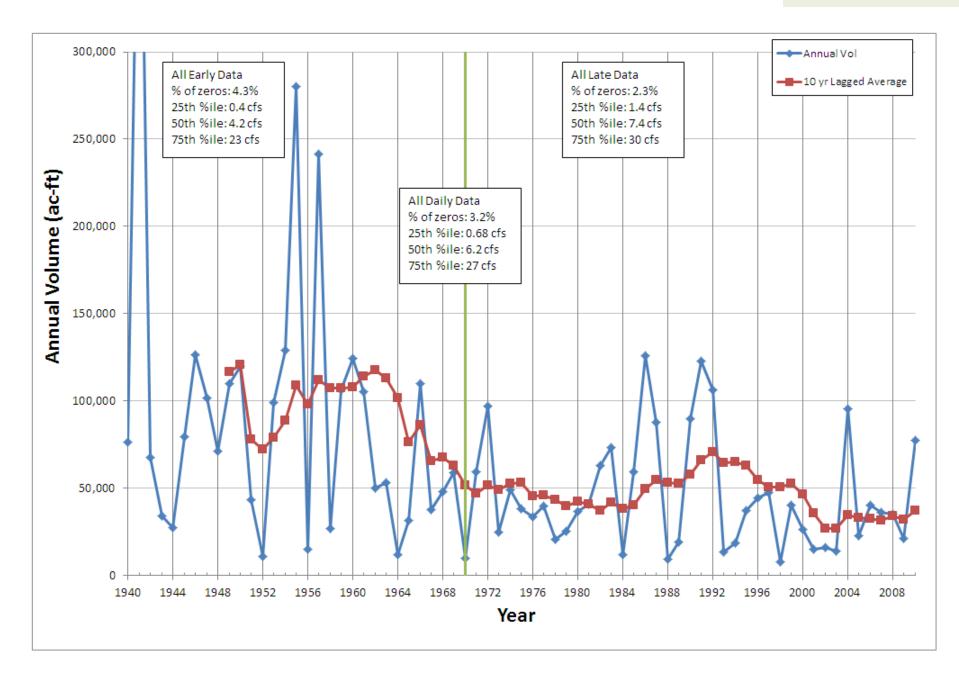
- Increase familiarity with hydrology at four disparate sites
- Examine possible long-term changes in hydrology
 - Reservoir construction
 - Climate shifts
 - Increased return flows
 - Such changes, if identified, may influence period of record decision
- Period of Record decision is a key hydrologic decision that will need to be made by the BBEST
 - Decision does not need to be made today

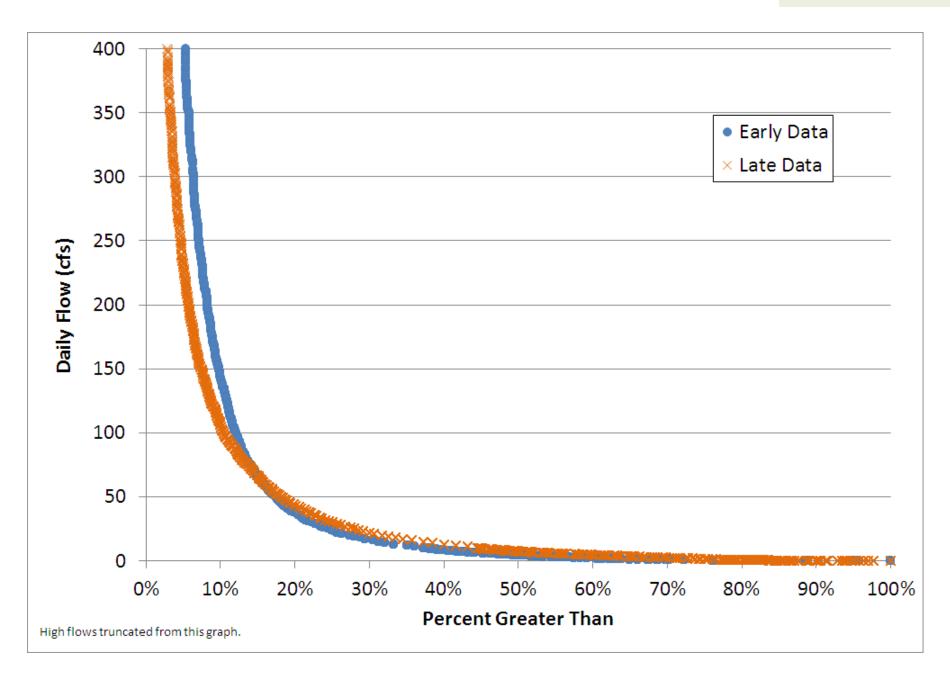


Salt Fork Brazos River near Aspermont

Stonewall County, Texas
Hydrologic Unit Code 12050007
Latitude 33°20'02", Longitude 100°14'16" NAD27
Drainage area 5,130 square miles
Contributing drainage area 2,496 square miles
Gage datum 1,588.70 feet above NGVD29

Location of the site in Texas. 小小 Satellite Hybrid USGS Map Terrain Plainview \exists Lockney Hale Center Ψ Burkburnett Paducah Matador Crowell Floydada Iowa Park + Petersburg Henrietta Abernathy Shallowater Idalou Lorenzo Seymour Archer City Crosbyton Guthrie Benjamin Spur Munday Wolfforth Slaton Knox City o Olney Rochester Jayton Jacksboro Tahoka Post Graham nfield Throckmorton Aspermont O'Donnell Stamford Hamlin Rotan Mineral Anson Lamesa Snyder Albany Breckenridge Merkel Tye Sweetwater, Roscoep Cisco Abilene Eastland Westbrook o Map data @2011 Google - Terms of Use Potosi

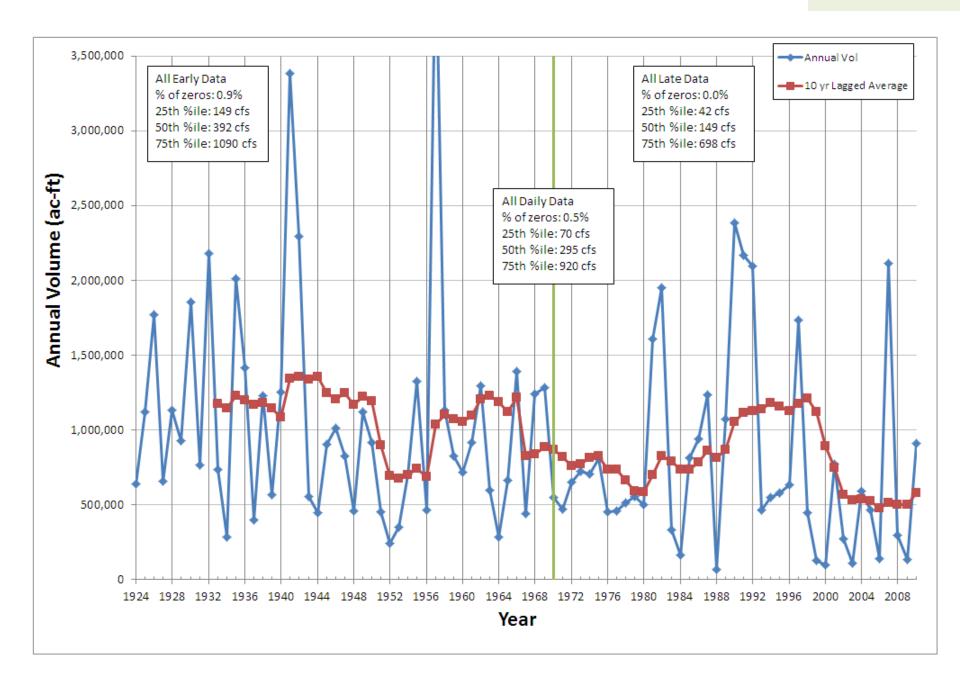


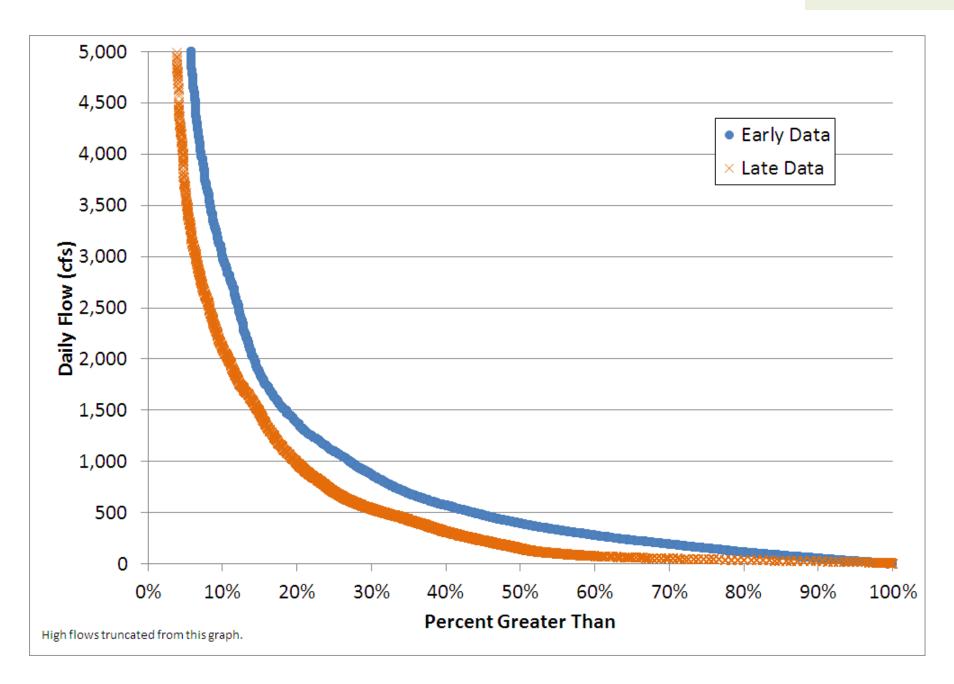


Brazos River near Glen Rose

Somervell County, Texas
Hydrologic Unit Code 12060202
Latitude 32°15'32", Longitude 97°42'08" NAD27
Drainage area 25,818 square miles
Contributing drainage area 16,252 square miles
Gage datum 561.79 feet above NGVD29

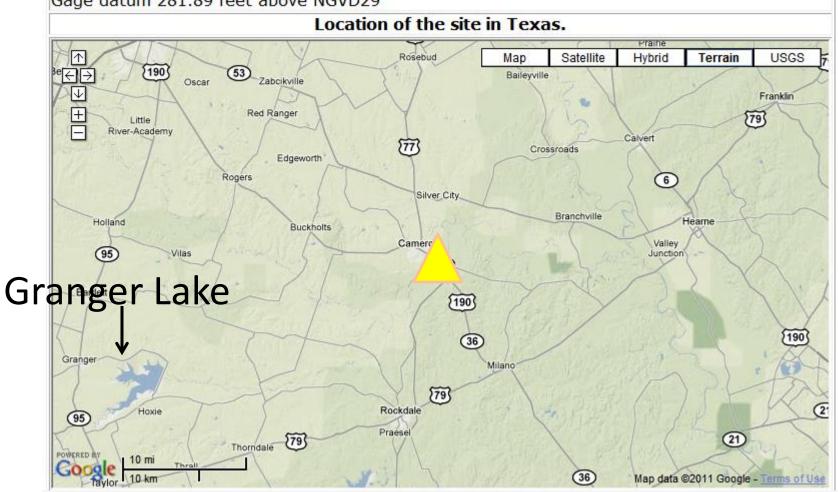
Location of the site in Texas. Oak Trail 小 Мар Satellite Hybrid USGS Terrain Shores Brazos Bend Cross Timber Joshua Lake Granbury Granbury Alvarado* [377] Keene Pecan Plantation Cleburne 281 377 67 Squaw Creek Reservoir Grand Glen Ro Rio Vista tephenville (174) 281 Covington [67] Blum (174) Kopperl 281 Alexander Springs Map data @2011 Google - Terms of Use

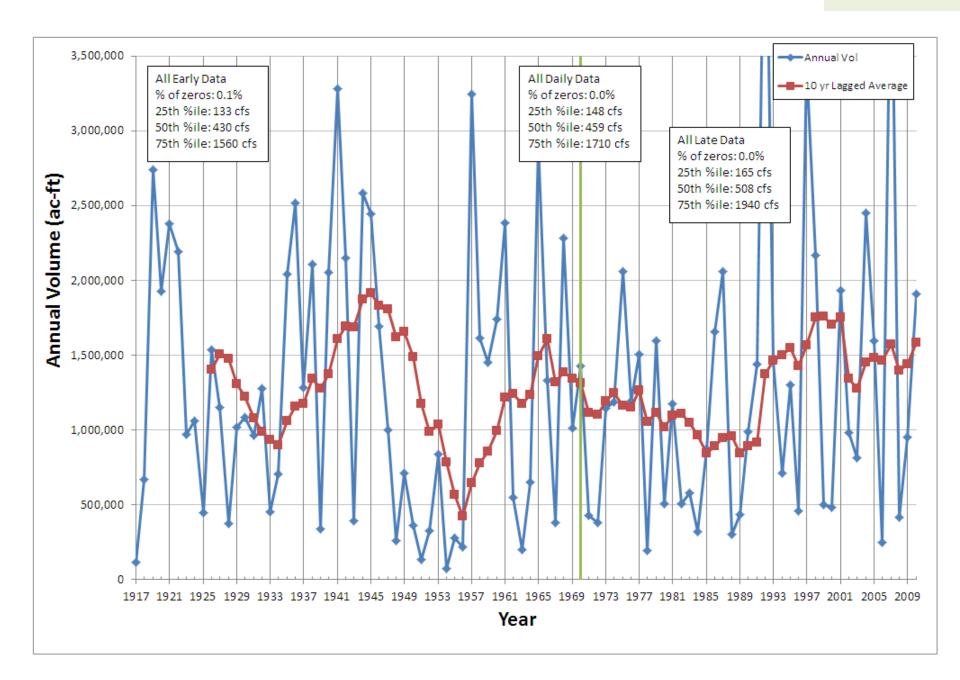


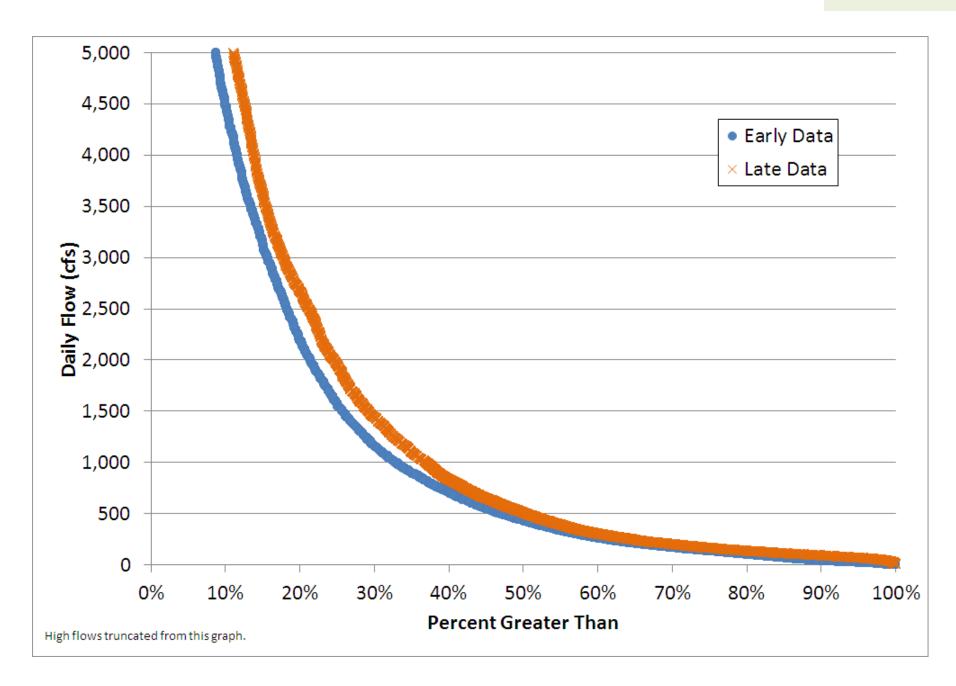


Little River near Cameron

Milam County, Texas
Hydrologic Unit Code 12070204
Latitude 30°50'06", Longitude 96°56'47" NAD27
Drainage area 7,065 square miles
Contributing drainage area 7,065 square miles
Gage datum 281.89 feet above NGVD29



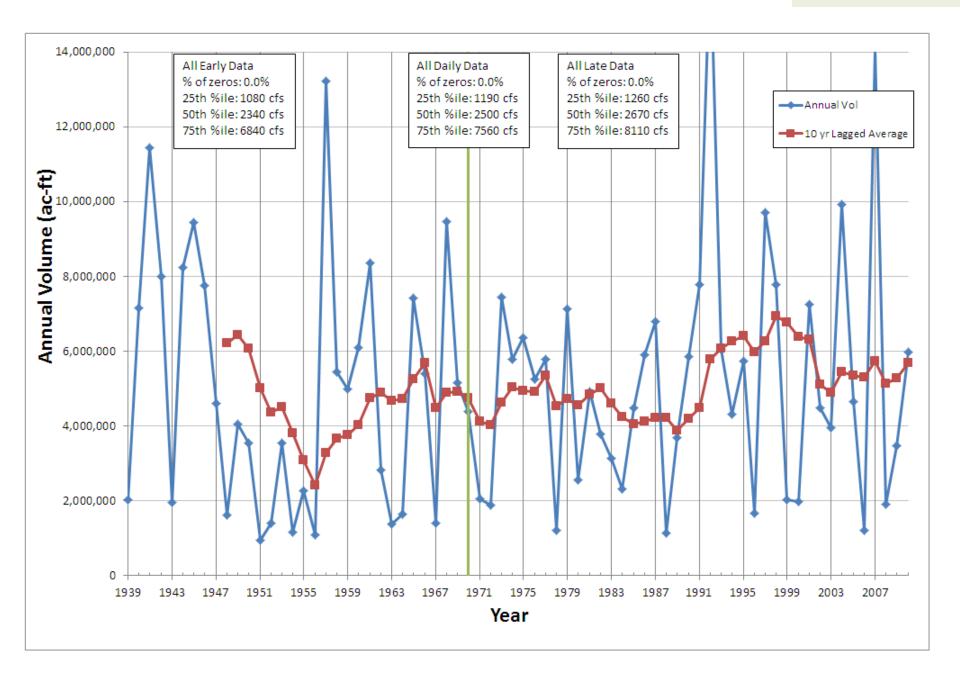


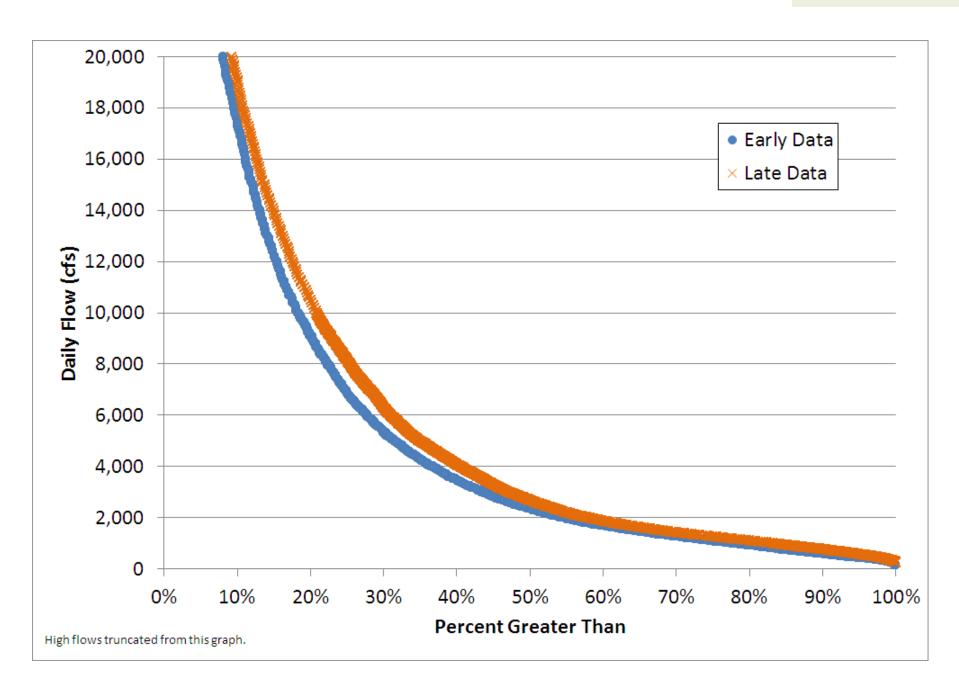


Brazos River near Hempstead

Washington County, Texas
Hydrologic Unit Code 12070101
Latitude 30°07'44", Longitude 96°11'15" NAD27
Drainage area 43,880 square miles
Contributing drainage area 34,314 square miles
Gage datum 107.90 feet above NGVD29







Issues

- Are there notable changes in hydrology at any location.
- What other locations need to be examined similarly?
 - Hopefully not all 15 other locations